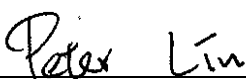


FCC 15B Test Report

FCC ID : 2AQYEFMP176
Equipment : Mobile Phone
Model No. : F-51A
Brand Name : FUJITSU
Applicant : FUJITSU CONNECTED TECHNOLOGIES Ltd.
Address : Chuorinkan 7-10-1 Yamato, Kanagawa
242-0007, Japan.
Standard : FCC Part 15, Subpart B, Class B
ICES-003 Issue 6, Class B
ANSI C63.4:2014
Received Date : Feb. 26, 2020
Tested Date : Mar. 13 ~ Mar. 17, 2020

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Peter Lin / Supervisor

Approved by:


Kent Chen / Assistant Manager



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Release Record

Report No.	Version	Description	Issued Date
FD011605	Rev. 01	Initial issue	May 07, 2020

Summary of Test Results

FCC Part 15, Subpart B Emission Tests				
Ref. Std. Clause	Test Standard	Test Items	Measured	Result
15.107	FCC Part 15, Subpart B, Class B	Conducted Emissions	-17.77dB QP@ 0.502MHz.	Pass
15.109	FCC Part 15, Subpart B, Class B	Radiated Emissions	-3.08dB QP@ 200.06MHz.	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

1 General Description

1.1 Information

1.1.1 Product Details

Product Name	Mobile Phone
Brand Name	FUJITSU
Model Name	F-51A
IMEI Code	353704110012051
H/W Version	v2.1.0
S/W Version	R047.4

1.1.2 Specification of the Equipment under Test (EUT)

WLAN	
Operating Frequency	802.11b/g/n/ax: 2412 MHz ~ 2462 MHz 802.11a/n/ac/ax: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5720 MHz
Antenna Type	Monopole antenna
Modulation Type	802.11b: DSSS (DBPSK/DQPSK/CCK) 802.11a/g/n/ac/ax: OFDM/OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Bluetooth	
Operating Frequency	2402 MHz ~ 2480 MHz
Antenna Type	Monopole antenna
Modulation Type	Bluetooth 5.1 LE: GFSK Bluetooth BR(1Mbps): GFSK Bluetooth EDR (2Mbps): $\pi/4$ -DQPSK Bluetooth EDR (3Mbps): 8-DPSK
LTE	
Operating Frequency	Band 5: 824 MHz ~ 849 MHz Band 12: 699 MHz ~ 716 MHz
Antenna Type	Monopole antenna
Modulation Type	QPSK/16QAM/64QAM/256QAM
WWAN	
Operating Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz
Antenna Type	Monopole antenna
Modulation Type	GSM / GPRS: GMSK WCDMA / HSDPA / HSUPA: BPSK

NFC	
Operating Frequency	13.56 MHz
Antenna Type	Loop antenna
Modulation Type	ASK
GNSS	
Operating Frequency	1.57542 GHz
Modulation Type	BPSK

1.1.3 Power Supply Type of Equipment under Test (EUT)

Supply Voltage	3.83Vdc from battery: 9Vdc, 1.5A from adapter (No bundle, support unit only)
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1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	Battery	Brand: FUJITSU CONNECTED TECHNOLOGIES LIMITED Model: CA54310-0079-A1 Rated: 4000mAh, 15.4Wh Typ. 4070mAh, 15.6Wh
2	Type-C <-> Earphone	9.5cm non-shielded without core

1.2 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Test Date	Mar. 13, 2020				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Dec. 12, 2019	Dec. 11, 2020
LISN	R&S	ENV216	100003	Sep. 23, 2019	Sep. 22, 2020
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 22, 2019	Oct. 21, 2020
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission below 1GHz				
Test Site	966 chamber 2 / (03CH02-WS)				
Test Date	Mar. 17, 2020				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	Agilent	N9038A	MY53290044	Sep. 17, 2019	Sep. 16, 2020
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2019	Nov. 12, 2020
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-523	Dec. 26, 2019	Dec. 25, 2020
Preamplifier	EMC	EMC02325	980194	Sep. 18, 2019	Sep. 17, 2020
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160501	Oct. 18, 2019	Oct. 17, 2020
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-003	Oct. 18, 2019	Oct. 17, 2020
LF cable 10M	EMCC	CFD400-E	CFD400-001	Oct. 18, 2019	Oct. 17, 2020
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission above 1GHz				
Test Site	966 chamber 2 / (03CH02-WS)				
Test Date	Mar. 17, 2020				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	Agilent	N9010A	MY53400091	Nov. 15, 2019	Nov. 14, 2020
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1095	Sep. 26, 2019	Sep. 25, 2020
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2019	Nov. 14, 2020
Preamplifier	Agilent	83017A	MY39501309	Sep. 24, 2019	Sep. 23, 2020
Preamplifier	EMC	EMC184045B	980192	Aug. 01, 2019	Jul. 31, 2020
RF Cable	EMC	EMC105-SM-SM-8000	180512	Oct. 18, 2019	Oct. 17, 2020
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16018/4	Oct. 18, 2019	Oct. 17, 2020
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

FCC Part 15, Subpart B, Class B
ICES-003 Issue 6, Class B
ANSI C63.4:2014

1.4 Deviation from Test Standard and Measurement Procedure

None

1.5 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty		
Test Item	Frequency	Uncertainty
Conducted Emissions	150kHz ~ 30MHz	± 2.92 dB
Radiated Emissions	30MHz ~ 1GHz	± 4.32 dB
	Above 1GHz	± 4.9 dB

Note: The results of measurements of emissions shall reference the measurement uncertainty considerations contained in CISPR 16-4-2.

2 Test Configuration

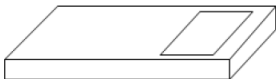
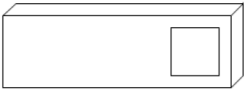
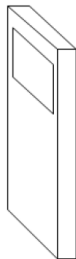
2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	22°C / 61%	Alex Tsai
Radiated Emissions ≤1GHz	03CH02-WS	20°C / 61%	Rober Tsai
Radiated Emissions >1GHz	03CH02-WS	20°C / 61%	Rober Tsai

- FCC Designation No.: TW1073
- FCC site registration No.: 933633

2.2 The Worst Case Measurement Configuration

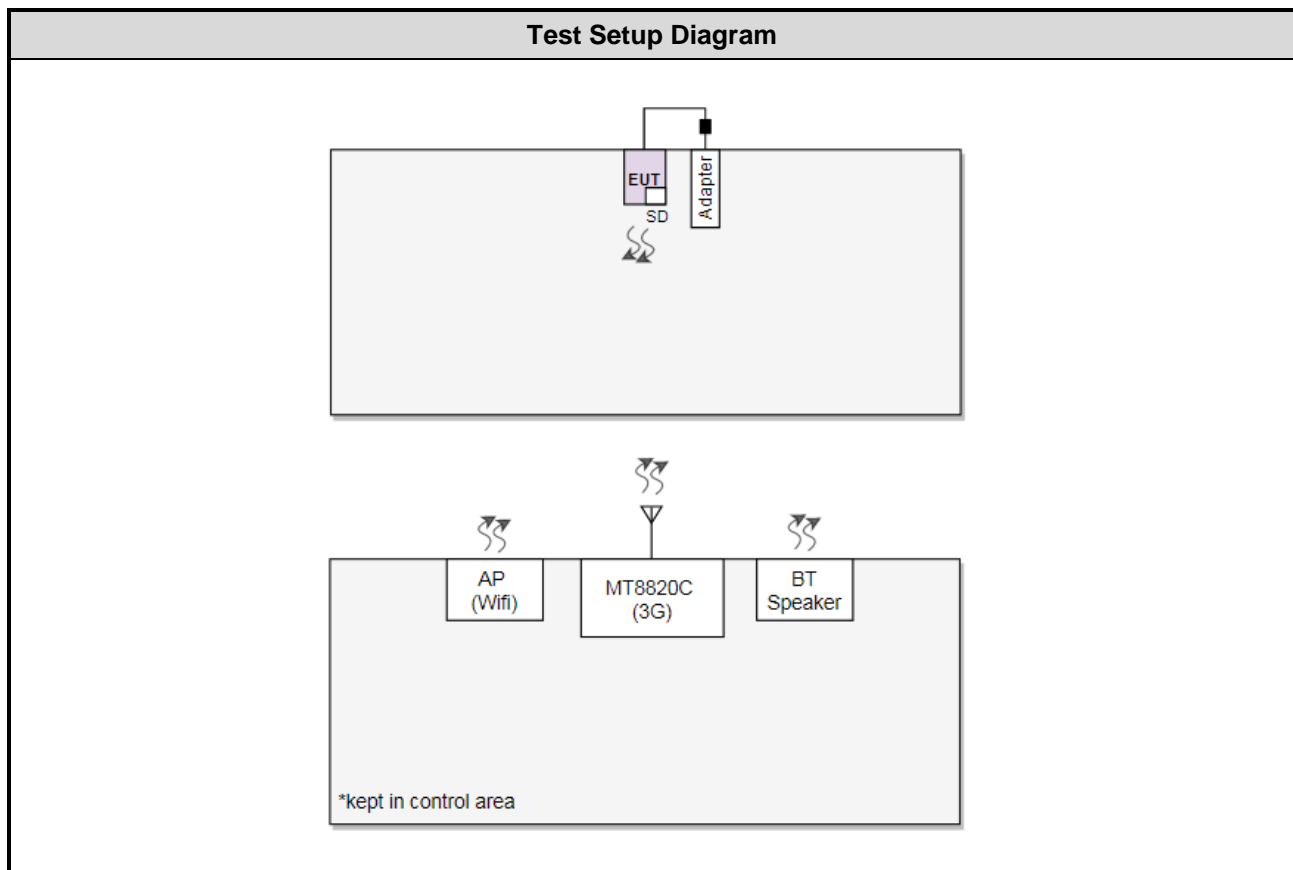
The Determined Worst Case Configurations	
Conducted Emissions	
Test Mode	Operating Description
1	2G link, BT & Wifi 5G idle, Run Camera(Front), Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
2	3G link, BT & Wifi 2.4G idle, MPEG4 play from Micro SD, Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
3	4G link, BT & Wifi 5G idle, SD R/W & EUT charged via USB w/ NB, Battery 20%, EUT: Z-axis, 120V/60Hz
4	2G link, BT & Wifi 2.4G idle, GPS L1 + L5 Rx Mode, Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
5	3G idle, BT/Wifi 5G idle, Camera(Back), Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
Note: The worst case was marked in boldface, therefore, only its data was recorded in this report.	
The Determined Worst Case Configurations	
Radiated Emissions	
Pretest Mode	Operating Description
1	NFC R/W Mode, BT & Wifi 2.4G idle, Battery 80%, EUT: X-axis, Standalone
2	2G link, BT & Wifi 5G idle, Run Camera(Front), w/ Earphone, Battery 80%, EUT: Y-axis, Standalone
3	3G link, BT & Wifi 2.4G idle, MPEG4 play from Micro SD, Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
4	4G link, BT & Wifi 5G idle, SD R/W & EUT charged via USB w/ NB, Battery 20%, EUT: Z-axis, 120V/60Hz
5	2G link, BT & Wifi 2.4G idle, GPS L1 + L5 Rx Mode, Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
6	3G idle, BT/Wifi 5G idle, Camera(Back), Battery 20%, EUT: Z-axis, w/ Adapter, 120V/60Hz
Note: The worst case was marked in boldface, therefore, only its data was recorded in this report.	

X-Axis	Y-Axis	Z-Axis
		

2.3 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	S/N	Remarks
1	Wireless AP	D-LINK	DIR-815	3000228	---
2	Radio Communication Tester	ANRITSU	MT8820C	6201240341	---
3	BT speaker	Nokia	HF-34W	---	---
4	Adapter	NTT docomo	AC Adapter 06	---	Provided by applicant.
5	SD Card	SanDisk	Micro SDHC	---	---

2.4 Test Setup Chart



2.5 Test Software and Operating Condition

- The EUT was charging with adapter during the test.
- The EUT was attached to the support BT speaker and WLAN AP in idle mode.
- The EUT was in 3G link mode during the test.
- The EUT played colorbar from SD card.

3 Emission Tests Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

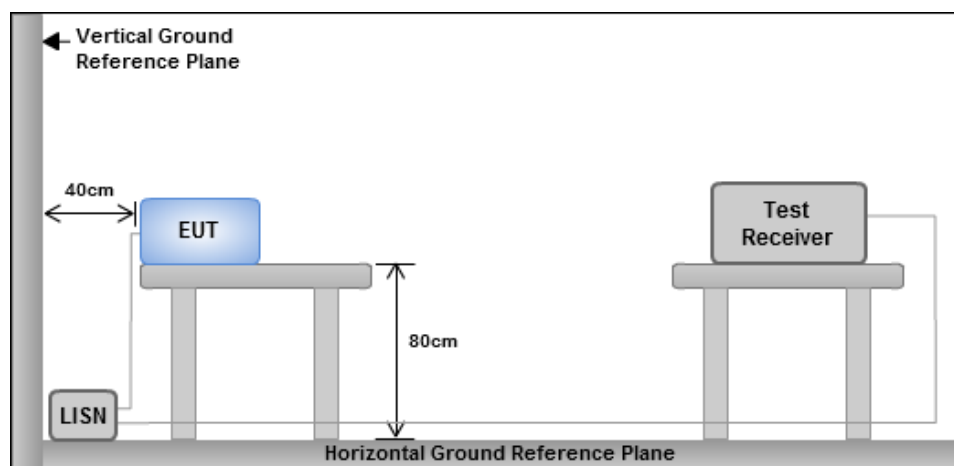
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0,15 to 0,5	66 - 56 *	56 - 46 *
0,5 to 5	56	46
5 to 30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

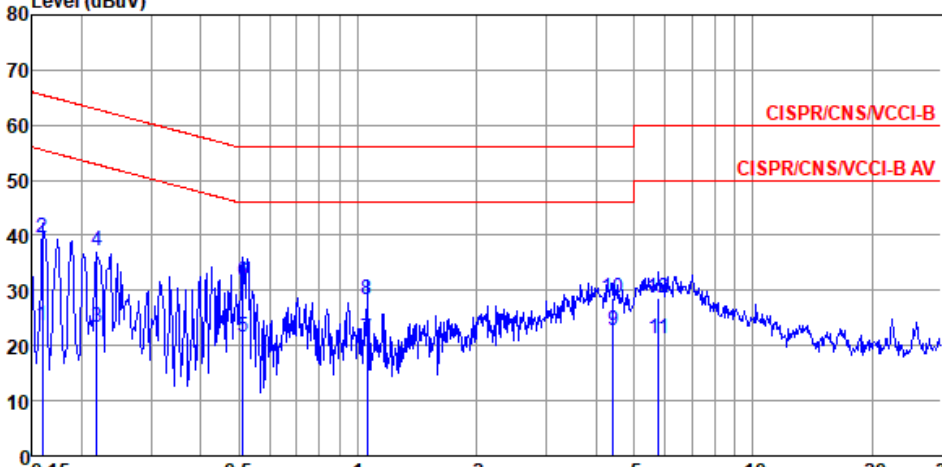
- The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
- The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
- AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.

3.1.3 Test Setup

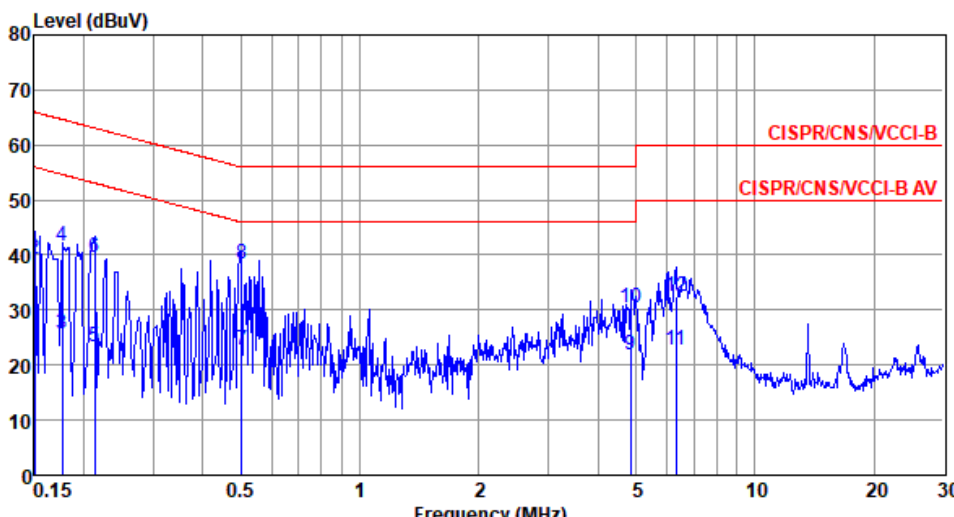


- Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

Power Phase	Line	Test Mode	2																																																																																																																					
<div><div><div>Level (dBuV)</div><div></div><div>Frequency (MHz)</div></div><table><thead><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>LISN factor dB</th><th>cable loss dB</th><th>Remark</th></tr></thead><tbody><tr><td>1</td><td>0.159</td><td>23.66</td><td>55.52</td><td>-31.86</td><td>23.44</td><td>0.00</td><td>0.05</td><td>Average</td></tr><tr><td>2</td><td>0.159</td><td>39.54</td><td>65.52</td><td>-25.98</td><td>39.32</td><td>0.00</td><td>0.05</td><td>QP</td></tr><tr><td>3</td><td>0.219</td><td>23.21</td><td>52.88</td><td>-29.67</td><td>22.95</td><td>0.00</td><td>0.06</td><td>Average</td></tr><tr><td>4</td><td>0.219</td><td>37.31</td><td>62.88</td><td>-25.57</td><td>37.05</td><td>0.00</td><td>0.06</td><td>QP</td></tr><tr><td>5</td><td>0.513</td><td>21.56</td><td>46.00</td><td>-24.44</td><td>21.20</td><td>0.00</td><td>0.09</td><td>Average</td></tr><tr><td>6</td><td>0.513</td><td>31.72</td><td>56.00</td><td>-24.28</td><td>31.36</td><td>0.00</td><td>0.09</td><td>QP</td></tr><tr><td>7</td><td>1.054</td><td>21.25</td><td>46.00</td><td>-24.75</td><td>20.81</td><td>0.00</td><td>0.12</td><td>Average</td></tr><tr><td>8</td><td>1.054</td><td>28.32</td><td>56.00</td><td>-27.68</td><td>27.88</td><td>0.00</td><td>0.12</td><td>QP</td></tr><tr><td>9*</td><td>4.430</td><td>22.71</td><td>46.00</td><td>-23.29</td><td>22.04</td><td>0.00</td><td>0.30</td><td>Average</td></tr><tr><td>10</td><td>4.430</td><td>28.62</td><td>56.00</td><td>-27.38</td><td>27.95</td><td>0.00</td><td>0.30</td><td>QP</td></tr><tr><td>11</td><td>5.774</td><td>21.12</td><td>50.00</td><td>-28.88</td><td>20.41</td><td>0.00</td><td>0.33</td><td>Average</td></tr><tr><td>12</td><td>5.774</td><td>28.61</td><td>60.00</td><td>-31.39</td><td>27.90</td><td>0.00</td><td>0.33</td><td>QP</td></tr></tbody></table><div><p>Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).</p><p>2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).</p></div></div>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark	1	0.159	23.66	55.52	-31.86	23.44	0.00	0.05	Average	2	0.159	39.54	65.52	-25.98	39.32	0.00	0.05	QP	3	0.219	23.21	52.88	-29.67	22.95	0.00	0.06	Average	4	0.219	37.31	62.88	-25.57	37.05	0.00	0.06	QP	5	0.513	21.56	46.00	-24.44	21.20	0.00	0.09	Average	6	0.513	31.72	56.00	-24.28	31.36	0.00	0.09	QP	7	1.054	21.25	46.00	-24.75	20.81	0.00	0.12	Average	8	1.054	28.32	56.00	-27.68	27.88	0.00	0.12	QP	9*	4.430	22.71	46.00	-23.29	22.04	0.00	0.30	Average	10	4.430	28.62	56.00	-27.38	27.95	0.00	0.30	QP	11	5.774	21.12	50.00	-28.88	20.41	0.00	0.33	Average	12	5.774	28.61	60.00	-31.39	27.90	0.00	0.33	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark																																																																																																																
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Power Phase	Neutral	Test Mode	2
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	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.150	25.65	56.00	-30.35	25.48	0.00	0.05	Average
2	0.150	39.13	66.00	-26.87	38.96	0.00	0.05	QP
3	0.177	25.55	54.64	-29.09	25.35	0.00	0.06	Average
4	0.177	41.56	64.64	-23.08	41.36	0.00	0.06	QP
5	0.213	23.36	53.10	-29.74	23.15	0.00	0.06	Average
6	0.213	39.53	63.10	-23.57	39.32	0.00	0.06	QP
7	0.502	22.71	46.00	-23.29	22.44	0.00	0.09	Average
8*	0.502	38.23	56.00	-17.77	37.96	0.00	0.09	QP
9	4.848	21.93	46.00	-24.07	21.35	0.00	0.31	Average
10	4.848	30.35	56.00	-25.65	29.77	0.00	0.31	QP
11	6.319	22.71	50.00	-27.29	22.07	0.00	0.34	Average
12	6.319	32.61	60.00	-27.39	31.97	0.00	0.34	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

According to FCC Part 15, Subpart B §15.109, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note: According to FCC Part 15, Subpart B §15.33: For an unintentional radiator is shown in the table above.

3.2.2 Test Procedures

Measuring below 1 GHz:

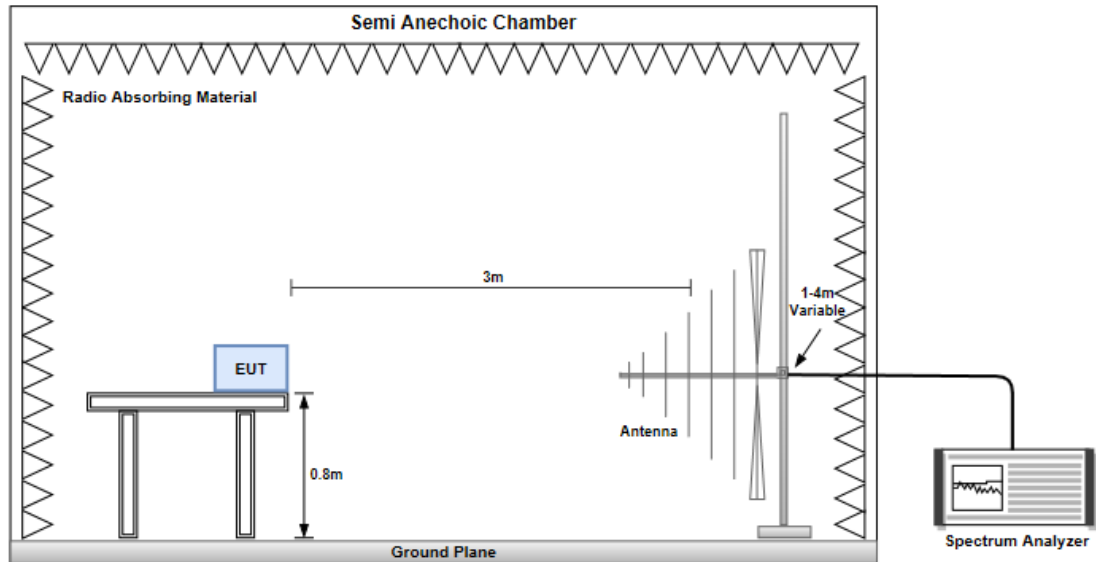
- a. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
- b. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- c. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Measuring above 1 GHz:

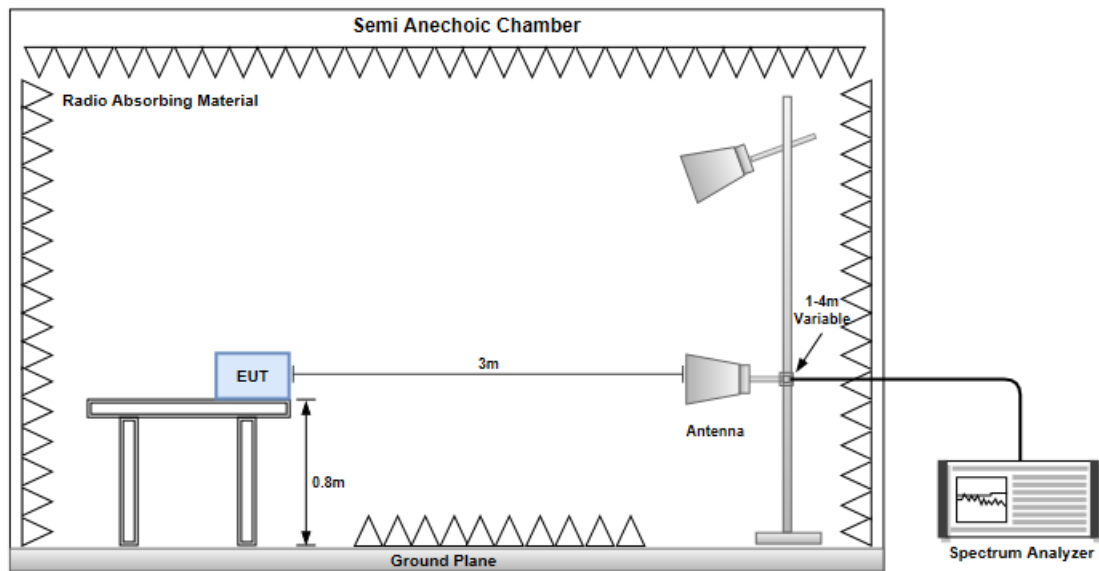
- a. Same test set up as below 1GHz radiated testing.
- b. The EUT was set 3 meters from the interference-receiving antenna which was mounted on the top of a variable height antenna tower.
- c. There should be absorber placed between the EUT and Antenna and its located size should let the test site meet CISPR16-1-4 requirement.
- d. The table was rotated 360 degrees to determine the position of the highest radiation.
- e. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
- f. Set the Horn Antenna at 1m height, then run the turn table to get the maximum noise reading from Horizontal and Vertical polarity separately.
- g. When EUT locating on the turn-table, the Horn Antenna must be raised up and descended down, then turning around the turn-table to get the maximum noise reading of the Horizontal and Vertical polarity separately. Note the maximum raise up height is same as the top of EUT.
- h. If emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.2.3 Test Setup

Radiated Emissions below 1 GHz

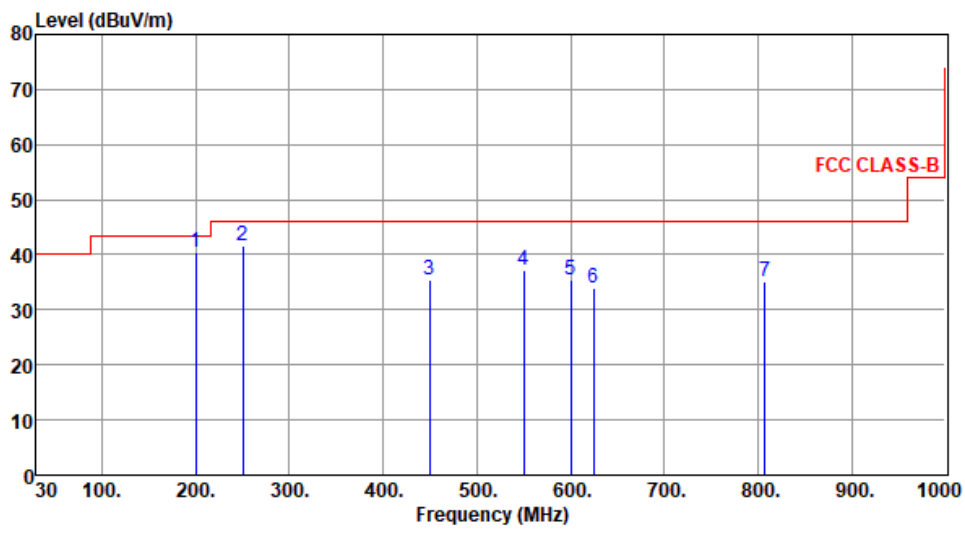


Radiated Emissions above 1 GHz



3.2.4 Radiated Emissions (Below 1GHz)

Polarization	Horizontal			Test Mode		3			
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The graph shows the radiated emission levels in dBuV/m across a frequency range from 30 MHz to 1000 MHz. A red line represents the FCC CLASS-B limit, which is constant at 40 dBuV/m from 30 MHz to 100 MHz, then steps up to 46 dBuV/m from 100 MHz to 1000 MHz. Seven blue vertical lines indicate measured peaks at the following frequencies: 200.06 MHz (labeled 1), 250.19 MHz (labeled 2), 450.01 MHz (labeled 3), 549.92 MHz (labeled 4), 600.36 MHz (labeled 5), 624.61 MHz (labeled 6), and 806.97 MHz (labeled 7). The peak levels are 40.42, 41.70, 35.50, 37.19, 35.33, 33.90, and 35.00 dBuV/m respectively.

	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	200.06	40.42	43.50	-3.08	49.77	-9.35	QP	100	95
2	250.19	41.70	46.00	-4.30	50.70	-9.00	Peak	---	---
3	450.01	35.50	46.00	-10.50	38.87	-3.37	Peak	---	---
4	549.92	37.19	46.00	-8.81	38.64	-1.45	Peak	---	---
5	600.36	35.33	46.00	-10.67	35.30	0.03	Peak	---	---
6	624.61	33.90	46.00	-12.10	33.44	0.46	Peak	---	---
7	806.97	35.00	46.00	-11.00	31.62	3.38	Peak	---	---

Note 1: Emission level (dBuV/m) = SA reading (dBuV) + Factor (dB)
 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m)

Polarization	Vertical				Test Mode		3		
<div><div><div>Level (dBuV/m)</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div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3.2.5 Radiated Emissions (Above 1GHz)

Polarization	Horizontal	Test Mode	3
<div><div><div>Level 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Polarization	Vertical	Test Mode	3																																																																																																
<div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div>97</div><div>90</div><div>80</div><div>70</div><div>60</div><div>50</div><div>40</div><div>30</div><div>20</div><div>10</div><div>0</div></div></div><div><div><div><div><div>1000</div><div>1500</div><div>2000</div><div>5000</div><div>10000</div><div>20000</div><div>30000</div></div></div><div>Frequency (MHz)</div></div></div><div><div><div><div><div>2</div><div>4</div><div>6</div><div>3</div><div>5</div></div><div><div><div><div><div>1013.30</div><div>1150.26</div><div>1208.26</div></div></div><div><div><div><div><div>36.76</div><div>45.20</div><div>37.61</div><div>44.66</div><div>36.24</div><div>43.91</div></div></div><div><div><div><div><div>54.00</div><div>74.00</div><div>54.00</div><div>74.00</div><div>54.00</div><div>74.00</div></div></div><div><div><div><div><div>-17.24</div><div>-28.80</div><div>-16.39</div><div>-29.34</div><div>-17.76</div><div>-30.09</div></div></div><div><div><div><div><div>46.51</div><div>54.95</div><div>46.02</div><div>53.07</div><div>44.18</div><div>51.85</div></div></div><div><div><div><div><div>-9.75</div><div>-9.75</div><div>-8.41</div><div>-8.41</div><div>-7.94</div><div>-7.94</div></div></div><div><div><div><div><div>Average</div><div>Peak</div><div>Average</div><div>Peak</div><div>Average</div><div>Peak</div></div></div><div><div><div><div><div>100</div><div>100</div><div>142</div><div>142</div><div>100</div><div>100</div></div></div><div><div><div><div><div>19</div><div>19</div><div>114</div><div>114</div><div>275</div><div>275</div></div></div></div></div></div><div><div><div><div><div>FCC CLASS-B</div><div>FCC CLASS-B (AVG)</div></div></div></div></div></div><table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1013.30</td><td>36.76</td><td>54.00</td><td>-17.24</td><td>46.51</td><td>-9.75</td><td>Average</td><td>100</td><td>19</td></tr><tr><td>2</td><td>1013.30</td><td>45.20</td><td>74.00</td><td>-28.80</td><td>54.95</td><td>-9.75</td><td>Peak</td><td>100</td><td>19</td></tr><tr><td>3</td><td>1150.26</td><td>37.61</td><td>54.00</td><td>-16.39</td><td>46.02</td><td>-8.41</td><td>Average</td><td>142</td><td>114</td></tr><tr><td>4</td><td>1150.26</td><td>44.66</td><td>74.00</td><td>-29.34</td><td>53.07</td><td>-8.41</td><td>Peak</td><td>142</td><td>114</td></tr><tr><td>5</td><td>1208.26</td><td>36.24</td><td>54.00</td><td>-17.76</td><td>44.18</td><td>-7.94</td><td>Average</td><td>100</td><td>275</td></tr><tr><td>6</td><td>1208.26</td><td>43.91</td><td>74.00</td><td>-30.09</td><td>51.85</td><td>-7.94</td><td>Peak</td><td>100</td><td>275</td></tr></table></div></div><div>Note 1: Emission level (dBuV/m) = SA reading (dBuV) + Factor (dB) 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m)</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level			reading			High	Table			dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg	1	1013.30	36.76	54.00	-17.24	46.51	-9.75	Average	100	19	2	1013.30	45.20	74.00	-28.80	54.95	-9.75	Peak	100	19	3	1150.26	37.61	54.00	-16.39	46.02	-8.41	Average	142	114	4	1150.26	44.66	74.00	-29.34	53.07	-8.41	Peak	142	114	5	1208.26	36.24	54.00	-17.76	44.18	-7.94	Average	100	275	6	1208.26	43.91	74.00	-30.09	51.85	-7.94	Peak	100	275
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																										
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1	1013.30	36.76	54.00	-17.24	46.51	-9.75	Average	100	19																																																																																										
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3	1150.26	37.61	54.00	-16.39	46.02	-8.41	Average	142	114																																																																																										
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4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

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Kwei Shan Site II

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If you have any suggestion, please feel free to contact us as below information

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